104.9 - Stable Isotopic Materials (solid and solution forms)

The isotopic composition of these SRMs has been determined by mass spectrometry.

For light stable isotopic materials value assigned on an artifact based scale, see Table 104.10

SRMs marked by an asterisk (*) are subject to license requirement by the NRC (or Agreement State) for transfer within the United States (U.S.). License certification is required of purchaser by NIST prior to shipment.

When an import permit for radioactive material is required of a customer outside the U.S., NIST must have a copy to complete an order and facilitate shipment.

"Radionuclide Calibration Services"

"Radioactive SRM Purchasing Instructions & License Certification Form"

"Radioactive SRMs-General Info"

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	951a	952	973	975a	977	978a	979	980	981	982	983	984	986	987	994	997	3230
Description	Boric Acid Isotopic Standard	Enriched Boric Acid Standard	Boric Acid Acidimetric Standard	Isotopic Standard for Chlorine	Isotopic Standard for Bromine	Assay-Isotopic Standard for Silver	Chromium Isotopic Standard	Isotopic Standard for Magnesium	Common Lead Isotopic Standard	Equal-Atom Lead Isotopic Standard	Radiogenic Lead Isotopic Standard	Rubidium Chloride	Isotopic Standard for Nickel	Strontium Carbonate Isotopic Standard	Isotopic Standard for Gallium	Thallium Isotopic Standard	Iodine-129 Isotopic Standard (Low Level)
Unit of Issue	(10 g)	(0.25 g)	(100 g)	(0.25 g)	(0.25 g)	(0.25 g)	(0.25 g)	(0.25 g)	(1 g wire)	(1 g wire)	(1 g wire)	(0.25 g)	(0.5 g)	(1 g)	(0.25 g)	(0.25 g)	(5x5 mL)
Isotopic Measurand	Boron	Boron	Boron	Chlorine	Bromine	Silver	Chromium	Magnesium	Lead	Lead	Lead	Rubidium	Nickel	Strontium	Gallium	Thallium	
NRC License or Equivalent Required*	--	--	--	--	--	--	--	--	--	X	X	--	--	--	--	--	

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only

104.9 - Stable Isotopic Materials (solid and solution forms)

The isotopic composition of these SRMs has been determined by mass spectrometry.

For light stable isotopic materials value assigned on an artifact based scale, see Table 104.10

SRMs marked by an asterisk (*) are subject to license requirement by the NRC (or Agreement State) for transfer within the United States (U.S.). License certification is required of purchaser by NIST prior to shipment.

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	3231	8599
	Iodine-129 Isotopic Standard (High Level)	**Henderson Molybdenite**
	(5x5 mL)	**(10 g)**
Iodine		--

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only